



FIG. 2  
PRIOR ART

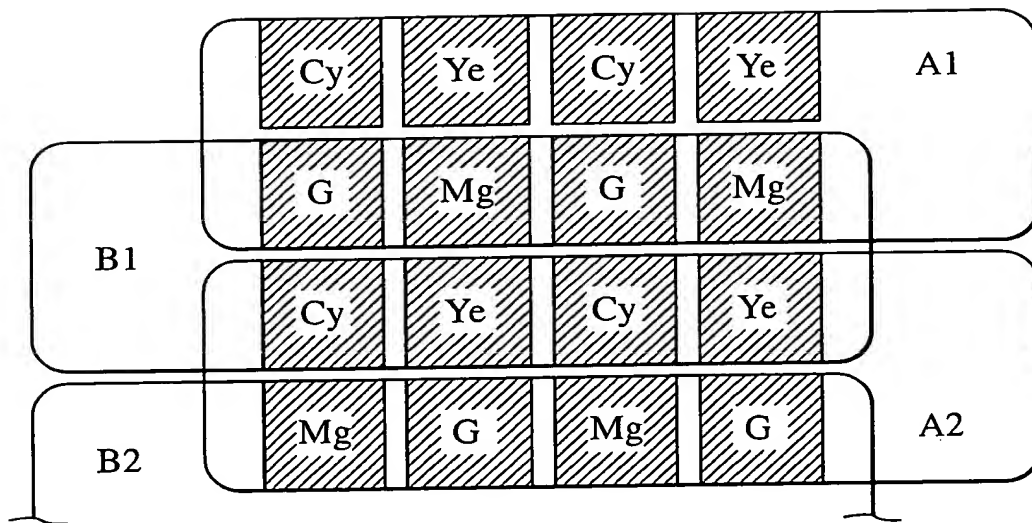


FIG. 3  
PRIOR ART

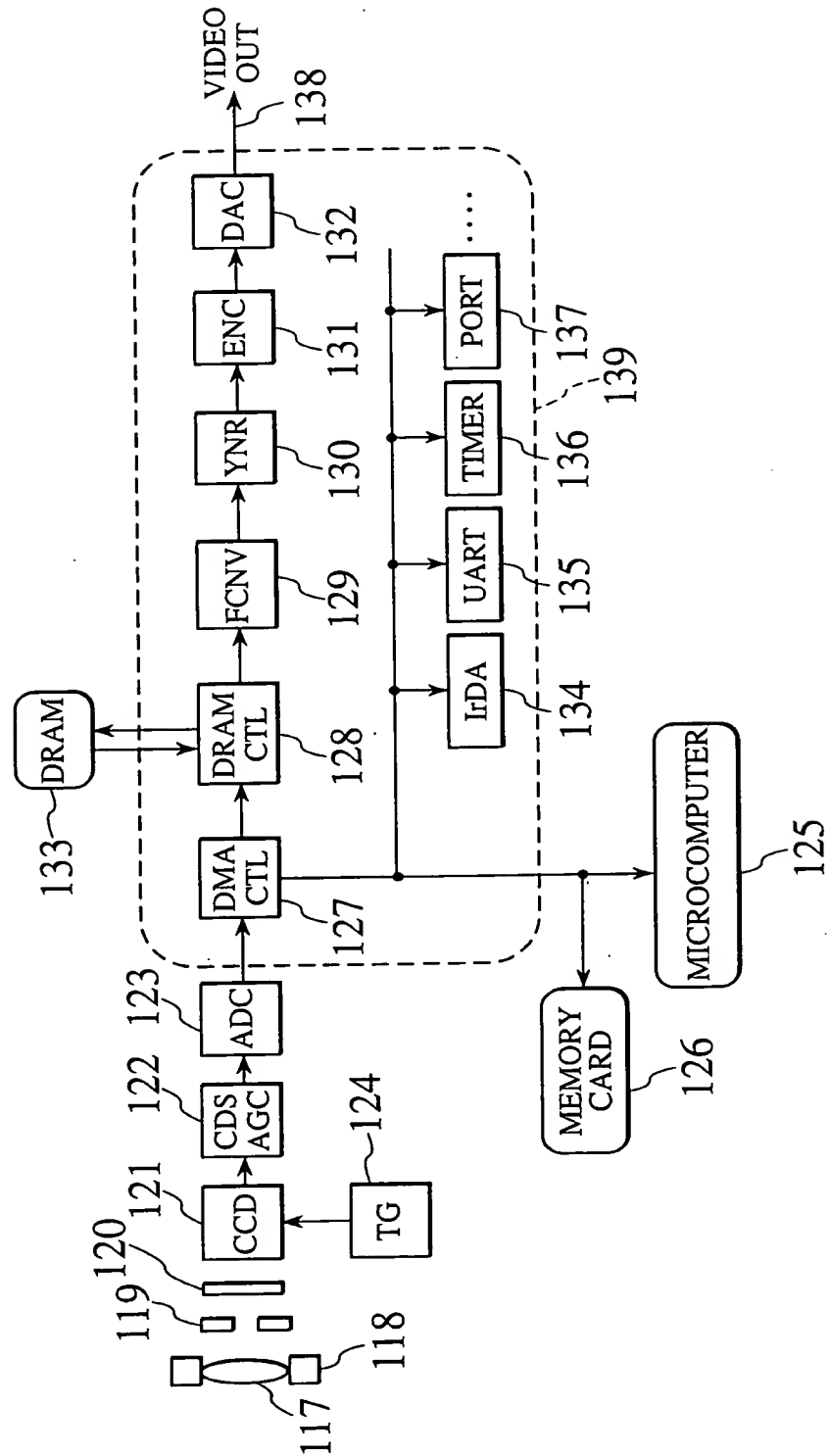


FIG. 4  
PRIOR ART

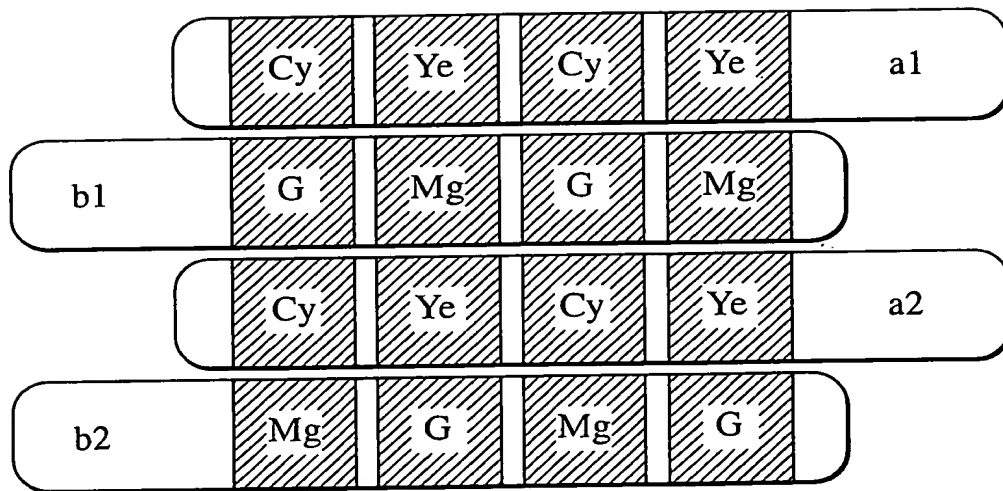
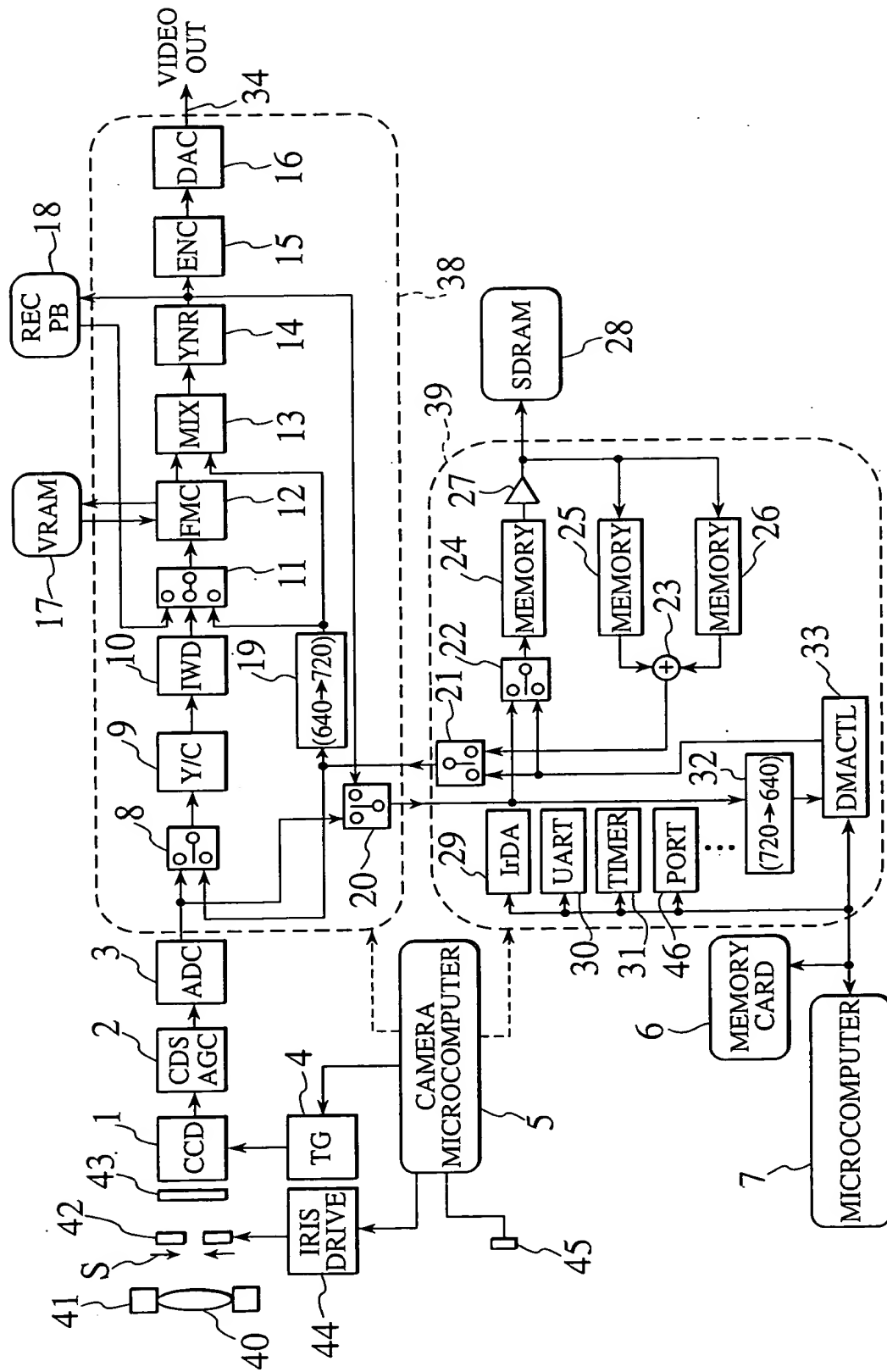


FIG. 5



The diagram illustrates the timing relationships for still and moving picture pickup modes. It features several horizontal axes and signal waveforms:

- Top Axis:** Labeled "MOVING-PICTURE PICKUP MODE (FOR FIELD READ-OUT)" on the left and "STILL-PICTURE PICKUP MODE (FOR FRAME READ-OUT)" on the right, separated by a vertical dashed line.
- Second Axis:** Labeled "FIELD READ-OUT" and "IRISING OPERATION". It shows a waveform with two distinct pulses, one for each field.
- Third Axis:** Labeled "A FIELD" and "B FIELD" with arrows indicating the duration of each field. Below these, the labels "a1,a2, ..." and "b1,b2, ..." are shown, indicating specific data points or frames within each field.
- Fourth Axis:** Labeled "CLOSED", indicating a period where the shutter is closed.
- Fifth Axis:** Labeled "MECHANICAL SHUTTER (IRISING OPERATION)" and "SHUTTER TIMING". It shows a waveform with two pulses, one for each field, corresponding to the shutter's opening and closing.
- Bottom Axis:** Labeled "CCD OUTPUT". It shows a waveform with two distinct pulses, one for each field.

The diagram uses vertical dashed lines to align the timing of the various operations across the different axes, showing how the mechanical shutter and CCD output are synchronized with the field read-out and irising operations.

FIG. 7

